



American Gilsonite Company
A Subsidiary of Chevron Resources Company
Bonanza, UT 84008 • Phone (801) 789-1921

Bonanza Mining Operations

ACT/047/010

December 5, 1983

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DIVISION OF
OIL, GAS & MINING

Mr. Thomas N. Tetting
Engineering Geologist
Utah Division of Oil, Gas and Mining
4211 State Office Building
Salt Lake City, Utah 84114


Dear Mr. Tetting:

This letter accompanies two copies of Chevron Resources Company, American Gilsonite, Mine and Reclamation Plan for the Bonanza Operations. This plan replaces the one submitted on February 25, 1983. The plan contains the information agreed upon during a meeting held by the Utah Division of Oil, Gas and Mining staff and myself on June 8, 1983, and responds to questions posed by your staff in correspondence of May 3, 1983.

Attached to this letter, you will find a "Response Index" that should be beneficial in locating answers to your concerns. Please have your staff contact me for any questions that may arise while they are reviewing the document.

Thank you for your cooperation in this matter.

Sincerely,


O. L. Fyock
Environmental Coordinator

OLF:vjw

Attachment (1)

cc: R.F. Dewey

RESPONSE INDEX

Hydrology

Rule M-3(1)(d)	Refer to Map II
Rule M-3(1)(e)	Refer to Map II, Map III, Group Maps
Rule M-3(1)(f)	Refer to page MR-1-5, 5a and 5b
Rule M-3(2)(a)	Refer to Map I, Map II, Map III, Group Maps, page MR-1-5, and Appendix II and Appendix III
Rule M-3(2)(c)(2)	Refer to page MR-1-7 and Appendix III
Rule M-3(2)(f)	Refer to page MR-1-9 and 10a
Rule M-10	Refer to pages MR-1-9, 9b, 9c, 9d, NPDES discharge points-page 5c, Map II, Appendix II and Appendix III

Bonding and Legal

Bonds held:

- 1) Bureau of Land Management
U89 75 8024 Renewed March 23, 1983
Statewide \$120,000
- 2) Utah Department of Natural Resources
U89 75 8027 Renewed May 25, 1982
Statewide \$25,000

Title 40-8-13(2) Exploration drill hole location map has been submitted as confidential.
MR-1 page 11 was signed and notarized on December 6, 1983 by R. L. Haffner.

Biology

Rule M-3(2)(c) During 1974, approximately three acres near Wagonhound-11 were reclaimed and seeded. No record was kept of seed mix nor seeding rates. There has been no other reclamation conducted.

Reclamation schedule presented as page 4a and 10c. Techniques are presented on pages MR-1-6, 6e, MR-1-9 and MR-1-10.

Seed mix and rates presented on page 10a.

Seeding specifics are presented on page MR-1-10.

Fencing is discussed on page 7a.

Rule M-10(12)

Refer to page 10a, 10b, 10c and 10d for reclamation study plots.

Refer to page 6a for success determination. Monitoring of reclamation will be conducted yearly to observe success or failure.

Soils

Rule M-10(14)

Refer to page MR-1-6, 6c, 6d, 6e, MR-1-8, Appendix I and Appendix V

Typical mine sites are 1 acre in size, refer to page 3b.

Soil samples were taken at each mine site, refer to Appendix I and V.

Topsoil stockpiles are noted on individual mine site data sheets, Appendix I.

Refer to page 5d, and 6e for topsoil salvage and storage.

Refer to the "Biology" section of this index for reclamation procedure reference pages.

Refer to page MR-1-6 and MR-1-7 for waste rock disposal.

Soil redistribution is discussed on pages MR-1-6, MR-1-7 and MR-1-9.

Test plots are discussed on pages 10a and 10d. Fertilizer will be broadcast when utilized.

Rule M-3(2)(d) and
Rule M-10(4)

Refer to Appendix I for site discription. Refer to pages 8a, MR-1-10 and 10a for techniques.

Refer to correspondence of August 8, 1983, August 22, 1983, August 29, 1983 and September 15, 1983 concerning vein closure investigations.

Refer to page MR-1-9 and 10a for pond reclamation procedures.

Rule M-3(2)(d) and
Rule M-10(4) (CONTINUED)

Refer to Appendix II for land fill permit,
for location refer to Map II, also note
on page 7a.

Miscellaneous

Rule M-10(10) and (2)

Refer to correspondence of August 3, 1983,
August 22, 1983, August 29, 1983 and Sept-
ember 15, 1983.

Rule M-3(g)

Used oils and solvents are stored in 55 gallon
Department of Transportation approved drums
until sufficient quantities for shipment are
obtained. These substances are then reclaimed
by licensed companies. MSHA requirements
are observed strictly.

Rule M-3(2)(g)

Refer to pages 4a, MR-1-9 and 10C.

23D

Reclamation is considered complete when 70
percent of the original cover is re-established.
Bonding is then released by the Utah Division
of Oil, Gas and Mining, at which time no
further monitoring should be required.